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QC ABSTRACT

Nameof Work:Entrustment of work "Asphalting to roads at Munikondapppa layout and Surrounding area in ward .14 Bagalagunte," BBMP, Bangalore.

Sl. No.	Item	Quantity As Per BOQ	Required No's of testes as per frequency	Actual No's of testes as per frequency	Testes
1	Materials	-	1	1	Cement
					Sand,
2	Slab (100mm)	1740.06 Sqm	1	1	Concrete Core Compressive Strength
3	WMM	1767.71 Cum	-	-	-
		Gradation	18	18	-
		AIV	9	9	-
		Shape Test	9	9	-
		Atterberg Limits	18	18	-
4	DBM	435.01 Cum	-	-	-
		Quality of Binder	1	1	-
		AIV	1	1	-
		Shape Test	1	1	-
		Gradation	1	1	-
		Specific Gravity	1	1	-
		Stability of Mix	9	9	-
		Bitumen content	9	9	-
5	BC	980.41 Cum	-	-	-
		Quality of Binder	1	1	-
		AIV	1	1	-
		Shape Test	1	1	-
		Gradation	1	1	-
		Specific Gravity	1	1	-
		Stability of Mix	20	20	-
		Bitumen content	20	20	-

CIVIL AIM CONSULTANTS & ENGINEERS Bangalore Prajwal

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Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date: 21.01.2022

TEST REPORT

CLIENT	:	**Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.
AGENCY	:	M/S **M S V Construction Company,** Contractor, Bangalore.
NAME OF THE WORK	:	Entrustment of work "Asphalting to roads at Munikondappa Layout and Surrounding area in ward no.14 Bagalagunte", BBMP, Bangalore.
SAMPLE ID	:	Cement (Zuari OPC 53 Grade)
DATE OF MANUFACTURE		December - 2021
DATE OF TESTING		19.01.2022 to 21.01.2022
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269-2015
1	a) Initial Setting Time	IS-4031 (Part -5)	130 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	335 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	2 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	31.50 %	-

Note:

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Authorised Signatory

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Job No.: CACE/BBMP/MSV/W.No.14/2021-22

Date : 21.01.2022

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **M/S M S V Construction Company, Contractor, Bangalore.**

Name of Work : Entrustment of work "Asphalting to roads at Munikondappa Layout and Surrounding area in ward no.14 Bagalagunte", BBMP, Bangalore.

Date of Testing : 21.01.2022

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : Sand

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	92	9.20	9.20	90.8	90-100
2.36	123	12.30	21.50	78.5	75-100
1.18	179	17.90	39.40	60.6	55-90
600 Micron	168	16.80	56.20	43.8	35-59
300 Micron	251	25.10	81.30	18.7	8-30
150 Micron	136	13.60	94.90	5.1	0-10

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Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 21.01.2022

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client :**Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **M/S M S V Construction Company, Contractor, Bangalore.**

Name of Work : Entrustment of work "Asphalting to roads at Munikondappa Layout and Surrounding area in ward no.14 Bagalagunte", BBMP, Bangalore.

Date of Testing : 21.01.2022

Material : Sand - Masonry Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	16	1.60	1.60	98.4	90-100
1.18	38	3.80	5.40	94.6	70-100
600 Micron	80	8.00	13.40	86.6	40-100
300 Micron	257	25.70	39.10	60.9	5-70
150 Micron	493	49.30	88.40	11.6	0-15

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Job No.: CACE/BBMP/MSV/W.No.14/2021-22

Date: 25.01.2022

PRECAST SLAB 100mm Thick(CORE) TEST REPORT

Client : **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore**

Contractor : **M/S M S V Construction Company, Contractor, Bangalore.**

Name of Work : Entrustment of work "Asphalting to roads at Munikondappa Layout and Surrounding area in ward no.14 Bagalagunte", BBMP, Bangalore.

No.of Sample Tested : 03

Date of Testing : 25.01.2022

Techinical Reference : IS:516-1959 (Reaffirmed 1999), SP-24:1983.

Grade of Concrete : M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	79.00	0.387	2494.90	1.58	0.955	30.98	15.78	17.04	16.27	20.33
2	50.00	77.00	0.415	2744.91	1.54	0.950	31.74	16.17	17.46	16.59	20.74
3	50.00	81.00	0.427	2684.81	1.62	0.959	32.21	16.40	17.72	16.99	21.24

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Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date :23.03.2022

GRADATION FOR WMM

Client : **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **M/S M S V Construction Company, Contractor, Bangalore.**

Name of Work :Entrustment of work "Asphalting to roads at Munikondappa Layout and Surrounding area in ward no.14 Bagalagunte", BBMP, Bangalore.

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing :23.03.2022

Material Type : Wet Mix Macadam

Oven Dry.Wt, gran 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	185	185	1.9	98.2	95-100
22.4	2532	2717	27.2	72.8	60-80
11.2	2144	4861	48.6	51.4	40-60
4.75	1840	6701	67.0	33.0	25-40
2.36	1185	7886	78.9	21.1	15-30
0.600	585	8471	84.7	15.3	8-22
0.075	1230	9701	97.0	3.0	0-5

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Material Type : Wet Mix Macadam

Oven Dry.Wt, gran 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	192	192	1.9	98.1	95-100
22.4	2511	2703	27.0	73.0	60-80
11.2	2148	4851	48.5	51.5	40-60
4.75	1828	6679	66.8	33.2	25-40
2.36	1178	7857	78.6	21.4	15-30
0.600	619	8476	84.8	15.2	8-22
0.075	1233	9709	97.1	2.9	0-5

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Oven Dry.Wt, gran 10000

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53	0	0	0	100	100
45	182	182	1.8	98.2	95-100
22.4	2532	2714	27.1	72.9	60-80
11.2	2150	4864	48.6	51.4	40-60
4.75	1844	6708	67.1	32.9	25-40
2.36	1197	7905	79.1	21.0	15-30
0.600	585	8490	84.9	15.1	8-22
0.075	1225	9715	97.2	2.8	0-5

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53	0	0	0	100	100
45	191	191	1.9	98.1	95-100
22.4	2522	2713	27.1	72.9	60-80
11.2	2163	4876	48.8	51.2	40-60
4.75	1843	6719	67.2	32.8	25-40
2.36	1175	7894	78.9	21.1	15-30
0.600	622	8516	85.2	14.8	8-22
0.075	1234	9750	97.5	2.5	0-5

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53	0	0	0	100	100
45	185	185	1.9	98.2	95-100
22.4	2533	2718	27.2	72.8	60-80
11.2	2155	4873	48.7	51.3	40-60
4.75	1843	6716	67.2	32.8	25-40
2.36	1182	7898	79.0	21.0	15-30
0.600	578	8476	84.8	15.2	8-22
0.075	1236	9712	97.1	2.9	0-5

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53	0	0	0	100	100
45	199	199	2.0	98.0	95-100
22.4	2539	2738	27.4	72.6	60-80
11.2	2169	4907	49.1	50.9	40-60
4.75	1839	6746	67.5	32.5	25-40
2.36	1179	7925	79.3	20.8	15-30
0.600	629	8554	85.5	14.5	8-22
0.075	1232	9786	97.9	2.1	0-5

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53	0	0	0	100	100
45	196	196	2.0	98.0	95-100
22.4	2160	2356	23.6	76.4	60-80
11.2	2456	4812	48.1	51.9	40-60
4.75	1838	6650	66.5	33.5	25-40
2.36	1181	7831	78.3	21.7	15-30
0.600	625	8456	84.6	15.4	8-22
0.075	1232	9688	96.9	3.1	0-5

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Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company
NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22

Date :24.03.2022

GRADATION FOR WMM

Client : **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **M/S M S V Construction Company, Contractor, Bangalore.**

Name of Work :Entrustment of work "Asphalting to roads at Munikondappa Layout and Surrounding area in ward no.14 Bagalagunte", BBMP, Bangalore.

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing :24.03.2022

Material Type : Wet Mix Macadam

Oven Dry.Wt, gran 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	182	182	1.8	98.2	95-100
22.4	2563	2745	27.5	72.6	60-80
11.2	2111	4856	48.6	51.4	40-60
4.75	1841	6697	67.0	33.0	25-40
2.36	1181	7878	78.8	21.2	15-30
0.600	580	8458	84.6	15.4	8-22
0.075	1230	9688	96.9	3.1	0-5

Note:

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For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

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Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 25.03.2022

GRADATION FOR WMM

Client : **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **M/S M S V Construction Company, Contractor, Bangalore.**

Name of Work :Entrustment of work "Asphalting to roads at Munikondappa Layout and Surrounding area in ward no.14 Bagalagunte", BBMP, Bangalore.

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 25.03.2022

Material Type : Wet Mix Macadam

Oven Dry.Wt, gran 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	198	198	2.0	98.0	95-100
22.4	2530	2728	27.3	72.7	60-80
11.2	2165	4893	48.9	51.1	40-60
4.75	1840	6733	67.3	32.7	25-40
2.36	1180	7913	79.1	20.9	15-30
0.600	626	8539	85.4	14.6	8-22
0.075	1236	9775	97.8	2.3	0-5

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GRADATION FOR WMM

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IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 25.03.2022

Material Type : Wet Mix Macadam

Oven Dry.Wt, gran 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	187	187	1.9	98.1	95-100
22.4	2536	2723	27.2	72.8	60-80
11.2	2155	4878	48.8	51.2	40-60
4.75	1845	6723	67.2	32.8	25-40
2.36	1189	7912	79.1	20.9	15-30
0.600	582	8494	84.9	15.1	8-22
0.075	1232	9726	97.3	2.7	0-5

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Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 25.03.2022

GRADATION FOR WMM

Client : **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **M/S M S V Construction Company, Contractor, Bangalore.**

Name of Work :Entrustment of work "Asphalting to roads at Munikondappa Layout and Surrounding area in ward no.14 Bagalagunte", BBMP, Bangalore.

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 25.03.2022

Material Type : Wet Mix Macadam

Oven Dry.Wt, gran 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	196	196	2.0	98.0	95-100
22.4	2533	2729	27.3	72.7	60-80
11.2	2163	4892	48.9	51.1	40-60
4.75	1844	6736	67.4	32.6	25-40
2.36	1183	7919	79.2	20.8	15-30
0.600	620	8539	85.4	14.6	8-22
0.075	1232	9771	97.7	2.3	0-5

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Client : **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **M/S M S V Construction Company, Contractor, Bangalore.**

Name of Work :Entrustment of work "Asphalting to roads at Munikondappa Layout and Surrounding area in ward no.14 Bagalagunte", BBMP, Bangalore.

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 25.03.2022

Material Type : Wet Mix Macadam

Oven Dry.Wt, gran 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	184	184	1.8	98.2	95-100
22.4	2536	2720	27.2	72.8	60-80
11.2	2150	4870	48.7	51.3	40-60
4.75	1845	6715	67.2	32.9	25-40
2.36	1189	7904	79.0	21.0	15-30
0.600	582	8486	84.9	15.1	8-22
0.075	1232	9718	97.2	2.8	0-5

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IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 25.03.2022

Material Type : Wet Mix Macadam

Oven Dry.Wt, gran 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	190	190	1.9	98.1	95-100
22.4	2533	2723	27.2	72.8	60-80
11.2	2166	4889	48.9	51.1	40-60
4.75	1844	6733	67.3	32.7	25-40
2.36	1188	7921	79.2	20.8	15-30
0.600	620	8541	85.4	14.6	8-22
0.075	1229	9770	97.7	2.3	0-5

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GRADATION FOR WMM

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IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 26.03.2022

Material Type : Wet Mix Macadam

Oven Dry.Wt, gran 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	181	181	1.8	98.2	95-100
22.4	2560	2741	27.4	72.6	60-80
11.2	2130	4871	48.7	51.3	40-60
4.75	1830	6701	67.0	33.0	25-40
2.36	1196	7897	79.0	21.0	15-30
0.600	595	8492	84.9	15.1	8-22
0.075	1235	9727	97.3	2.7	0-5

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IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 26.03.2022

Material Type : Wet Mix Macadam

Oven Dry.Wt, gran 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	191	191	1.9	98.1	95-100
22.4	2522	2713	27.1	72.9	60-80
11.2	2163	4876	48.8	51.2	40-60
4.75	1843	6719	67.2	32.8	25-40
2.36	1175	7894	78.9	21.1	15-30
0.600	622	8516	85.2	14.8	8-22
0.075	1234	9750	97.5	2.5	0-5

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IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 26.03.2022

Material Type : Wet Mix Macadam

Oven Dry.Wt, gran 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	199	199	2.0	98.0	95-100
22.4	2539	2738	27.4	72.6	60-80
11.2	2169	4907	49.1	50.9	40-60
4.75	1839	6746	67.5	32.5	25-40
2.36	1179	7925	79.3	20.8	15-30
0.600	629	8554	85.5	14.5	8-22
0.075	1232	9786	97.9	2.1	0-5

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Client : **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**

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Name of Work :Entrustment of work "Asphalting to roads at Munikondappa Layout and Surrounding area in ward no.14 Bagalagunte", BBMP, Bangalore.

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 26.03.2022

Material Type : Wet Mix Macadam

Oven Dry.Wt, gran 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	199	199	2.0	98.0	95-100
22.4	2539	2738	27.4	72.6	60-80
11.2	2169	4907	49.1	50.9	40-60
4.75	1839	6746	67.5	32.5	25-40
2.36	1179	7925	79.3	20.8	15-30
0.600	629	8554	85.5	14.5	8-22
0.075	1232	9786	97.9	2.1	0-5

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Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 26.03.2022

GRADATION FOR WMM

Client : **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **M/S M S V Construction Company, Contractor, Bangalore.**

Name of Work :Entrustment of work "Asphalting to roads at Munikondappa Layout and Surrounding area in ward no.14 Bagalagunte", BBMP, Bangalore.

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 26.03.2022

Material Type : Wet Mix Macadam

Oven Dry.Wt, gran 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	198	198	2.0	98.0	95-100
22.4	2530	2728	27.3	72.7	60-80
11.2	2165	4893	48.9	51.1	40-60
4.75	1840	6733	67.3	32.7	25-40
2.36	1180	7913	79.1	20.9	15-30
0.600	626	8539	85.4	14.6	8-22
0.075	1236	9775	97.8	2.3	0-5

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Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date: 23.03.2022

Aggregate Impact Value

Client	**Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	**M/S M S V Construction Company, Contractor, Bangalore.**
Name of the Work	Entrustment of work "Asphalting to roads at Munikondappa Layout and Surrounding area in ward no.14 Bagalagunte", BBMP, Bangalore.
IS Code	IS 2386 (Part 4):1963(RA 2011)
Type of Mix	Wet Mix macadam
Date of Testing	23.03.2022

Sl No.	Details	Test No.		Average
		1	2	
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	380	379	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	86	87	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	294	292	
4	Aggregate Impact value = percent fines 100* (W_2/W_1)%	22.63	22.96	**22.79**

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%(As per MORTH Specication table 400.12)

Note:

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Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

Job No.: CACE/ BBMP/ MSV/ W No.14/ 2021-22 Date: 23.03.2022

Aggregate Impact Value

Client	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Agency	M/S M S V Construction Company, Contractor, Bangalore.
Name of the Work	Entrustment of work "Asphalting to roads at Mamkoondappa Layout and Surrounding area in ward no.14 Bagalagunte", BBMP, Bangalore.
IS Code	IS 2386 (Part 4):1963(RA 2011)
Type of Mix	Wet Mix macadam
Date of Testing	23.03.2022

Sl No.	Details	Test No. 1	Test No. 2	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	382	382	
2	Weight of aggregate passing 2.36 mm sieve after the test = W_2 g	87	88	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	295	294	
4	Aggregate Impact value = percent fines $100*(W_2/W_1)\%$	22.77	23.04	22.91

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%(As per MORTH Specication table 400.12)

Note:

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For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date: 24.03.2022

Aggregate Impact Value

Client	**Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	**M/S M S V Construction Company, Contractor, Bangalore.**
Name of the Work	Entrustment of work "Asphalting to roads at Munikondappa Layout and Surrounding area in ward no.14 Bagalagunte", BBMP, Bangalore.
IS Code	IS 2386 (Part 4):1963(RA 2011)
Type of Mix	Wet Mix macadam
Date of Testing	24.03.2022

Sl No.	Details	Test No.		Average
		1	2	
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	380	381	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	86	88	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	294	293	
4	Aggregate Impact value = percent fines 100* (W_2/W_1)%	22.63	23.10	**22.86**

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%(As per MORTH Specication table 400.12)

Note:

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For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

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NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date: 24.03.2022

Aggregate Impact Value

Client	**Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	**M/S M S V Construction Company, Contractor, Bangalore.**
Name of the Work	Entrustment of work "Asphalting to roads at Munikondappa Layout and Surrounding area in ward no.14 Bagalagunte", BBMP, Bangalore.
IS Code	IS 2386 (Part 4):1963(RA 2011)
Type of Mix	Wet Mix macadam
Date of Testing	24.03.2022

Sl No.	Details	Test No.		Average
		1	2	
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	381	382	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	85	86	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	296	296	
4	Aggregate Impact value = percent fines 100* (W_2/W_1)%	22.31	22.51	**22.41**

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%(As per MORTH Specication table 400.12)

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For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

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Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date: 25.03.2022

Aggregate Impact Value

Client	**Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	**M/S M S V Construction Company, Contractor, Bangalore.**
Name of the Work	Entrustment of work "Asphalting to roads at Munikondappa Layout and Surrounding area in ward no.14 Bagalagunte", BBMP, Bangalore.
IS Code	IS 2386 (Part 4):1963(RA 2011)
Type of Mix	Wet Mix macadam
Date of Testing	25.03.2022

Sl No.	Details	Test No.		Average
		1	2	
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	380	384	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	86	88	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	294	296	
4	Aggregate Impact value = percent fines 100* (W_2/W_1)%	22.63	22.92	**22.77**

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%(As per MORTH Specication table 400.12)

Note:

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Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date: 25.03.2022

Aggregate Impact Value

Client	**Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	**M/S M S V Construction Company, Contractor, Bangalore.**
Name of the Work	Entrustment of work "Asphalting to roads at Munikondappa Layout and Surrounding area in ward no.14 Bagalagunte", BBMP, Bangalore.
IS Code	IS 2386 (Part 4):1963(RA 2011)
Type of Mix	Wet Mix macadam
Date of Testing	25.03.2022

Sl No.	Details	Test No. 1	Test No. 2	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	381	382	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	86	88	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	295	294	
4	Aggregate Impact value = percent fines $100^* (W_2/W_1)\%$	22.57	23.04	**22.80**

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%(As per MORTH Specication table 400.12)

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Date: 26.03.2022

Job No.: CACE/BBMP/MSV/W.No.14/2021-22

Aggregate Impact Value

Client	**Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	**M/S M S V Construction Company, Contractor, Bangalore.**
Name of the Work	Entrustment of work "Asphalting to roads at Munikondappa Layout and Surrounding area in ward no.14 Bagalagunte", BBMP, Bangalore.
IS Code	IS 2386 (Part 4):1963(RA 2011)
Type of Mix	Wet Mix macadam
Date of Testing	26.03.2022

Sl No.	Details	Test No. 1	Test No. 2	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	380	381	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	86	88	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	294	293	
4	Aggregate Impact value = percent fines 100* (W_2/W_1)%	22.63	23.10	**22.86**

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%(As per MORTH Specication table 400.12)

Note:

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For CIVIL AIM CONSULTANTS & ENGINEERS

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